

09/65/01

**2-Dimensional Optical Fiber Array Made from Etched Sticks
having Notches**

ABSTRACT OF THE DISCLOSURE

A 2-dimensional optical fiber array having stacked sticks with fibers disposed between the sticks. The sticks are made by directional dry etching. The shape of the sticks is defined by a lithographic mask. Each stick has notches for holding the optical fibers. Since the sticks are defined by a lithographic mask, the fibers are accurately located in the 2-D array. In an alternative embodiment, the sticks are made by dry etching holes in a wafer, and then cleaving the wafer into sticks. To make the array. Fibers are disposed between the sticks and the sticks are reassembled so that cleaved surfaces are rejoined. Also, double-sided sticks can be made from a wafer having an etch stop layer. Directional dry etching is performed from both sides of the wafer.

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